

**MATERIAL SAFETY DATA SHEET****SECTION 1 — PRODUCT IDENTIFICATION**

**Product identifier:** 0345 –Simply Clean Vinegar Plus **WHMIS Classification:** E  
**Product use:** Cleaner  
**Product Code Number:** EMJ 33055 **Product Location:** B02-37-A04, A08-14-A02  
**MSDS Number:** 0345

**Supplier name and address:** Puresource Inc.  
7018 Wellington Road # 124 South RR # 7  
Guelph, Ontario N1H 6J4  
(519) 837-2140  
**Emergency Telephone #:** CANUTEC (613) 996-6666

**Manufacturer's name and address:**  
Refer to Supplier

**SECTION 2 — CHEMICAL COMPOSITION/HAZARDOUS INGREDIENTS**

<b><u>Ingredients</u></b>	<b><u>CAS #</u></b>	<b><u>% (weight)</u></b>	<b><u>LD<sub>50</sub></u></b> <b><u>mg/kg</u></b> <b><u>oral/rat</u></b>	<b><u>LD<sub>50</sub></u></b> <b><u>mg/kg</u></b> <b><u>skin/rabbit</u></b>	<b><u>LC<sub>50</sub></u></b> <b><u>ppm</u></b> <b><u>inh/rat</u></b>
Acetic Acid	64-19-7	10-30	3310	1060	11.4mg/L

**SECTION 3 — HAZARDS IDENTIFICATION**

\*\*\*POTENTIAL HEALTH EFFECTS\*\*\*

**Routes of entry:** Inhalation, ingestion, skin and eye contact.

**Signs and symptoms of short-term (acute) exposure:**

*Inhalation:* Irritating to the eyes, nose, throat and lungs. High concentration of vapours will cause irritation, or if inhaled as a mist.

*Skin contact:* Corrosive. Contact will result in irritation of the skin.

*Eye contact:* Corrosive. Contact will result in irritation of the eye.

*Ingestion:* Harmful or fatal if swallowed. May irritate mouth, throat and stomach.

**Effects of long-term (chronic) exposure:** See Section 11. **Other important hazards:** None reported.

**SECTION 4 — FIRST AID MEASURES**

**Inhalation:** Remove victim to fresh air. If symptoms persist, call a physician.

**Skin contact:** Flush skin with plenty of water, for at least 15 minutes, while removing contaminated clothing. Call physician immediately. Wash contaminated clothing before reuse.

**Eye contact:** IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open.

**Ingestion:** Immediately call physician. DO NOT induce vomiting. Give several glasses of water. Never give anything by mouth if victim is unconscious or convulsing.

**SECTION 5 — FIRE FIGHTING MEASURES**

**Fire hazards/conditions of flammability:** Not flammable.

**Flash point (Method):** Not applicable. °C (°F)

**Lower flammable limit (% by volume):** n/ap

**Upper flammable limit (% by volume):** n/ap

**Explosion data:** *Sensitivity to mechanical impact:* Not sensitive. *Sensitivity to static discharge:* Not sensitive.

**Oxidizing properties:** None.

**Auto-ignition temperature:** None.

**Suitable extinguishing media:** As appropriate for burning of surrounding products.

**Special fire-fighting procedures/equipment:** n/ap

**Hazardous combustion products:** n/ap

#### SECTION 6 — ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Wear adequate personal protective equipment.

**Environmental precautions:** No special precautions required.

**Spill response/Cleanup:** Recover and reuse as much of the product as possible.

**Prohibited materials:** None known.

#### SECTION 7 — HANDLING AND STORAGE

**Safe handling procedures:** Product is corrosive. Avoid contact with skin, eyes and clothing. Wear proper protective equipment, including rubber gloves.

**Storage requirements:** Store in a cool, dry area. Keep away from incompatible materials, (see Sect. 10)

**Special packaging materials:** n/av

#### SECTION 8 — EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Ventilation and engineering controls:** Mechanical ventilation should be adequate.

**Respiratory protection:** Normally not required.

**Protective gloves:** Rubber.

**Eye protection:** Safety glasses, or chemical goggles.

**Other protective equipment:** Apron and other equipment as required by workplace standards.

#### SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

**Physical form, color and odor:** Clear colourless liquid. Vinegar odour.

**Odor threshold:** n/av

**pH:** 1.0 – 3.0

**Boiling point:** n/av

**Melting/freezing point:** n/av

**Vapour pressure:** n/av

**Solubility in water:** n/av.

**Coefficient of oil/water distribution:** n/av.

**Specific gravity or relative density (water = 1):** 1.040

**RI:** n/av

**Vapour density:** n/ap

**Volatile organic compounds (VOC's):** n/ap

**Evaporation rate:** n/ap

**Percent Volatile by Weight:** n/av

#### SECTION 10 — REACTIVITY AND STABILITY DATA

**Stability and reactivity:** Normally stable.

**Conditions to avoid:** Keep containers tightly closed, when not in use.

**Materials to avoid:** Strong acids, reactive metals, and ammonium salts.

**Hazardous decomposition products:** Oxides of carbon.

#### SECTION 11 — TOXICOLOGICAL INFORMATION

**LD<sub>50</sub>:** Not established for this product. See Section 2 for values for ingredients.

**LC<sub>50</sub>:** Not established for this product. See Section 2 for values for ingredients.

**Exposure limits:** Refer to ACGIH-TLV for values for ingredients

**Carcinogenicity:** None of the ingredients is listed by IARC, ACGIH, NTP, and OSHA as carcinogen.

**Teratogenicity, mutagenicity, other reproductive effects:** There is no human or animal information available on teratogenicity, reproductive toxicity, or mutagenicity.

**Sensitization to material:** Not reported.

**Conditions aggravated by exposure:** Skin conditions.

**Synergistic materials:** None known.

**SECTION 12 — ECOLOGICAL INFORMATION**

**Environmental effects:** Product may be harmful to aquatic life.

**SECTION 13 — WASTE DISPOSAL**

**Handling for disposal:** Reuse if possible.

**Methods of disposal:** Use only licensed waste disposal services. Follow local, provincial, state and federal regulations.

**SECTION 14 — TRANSPORTATION INFORMATION**

**Shipping description:** TDG – Acetic Acid Solution, Class 8, UN2790, PG III.

**Please note:** This shipping description is of a general nature only. It does not consider package sizes, modes of transport and other specific circumstances. Appropriate regulations should be referenced, and handling for transportation of dangerous goods/hazardous materials should be performed by trained personnel only.

**SECTION 15 — REGULATORY INFORMATION**

**WHMIS information:** E

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.

**SECTION 16 — OTHER INFORMATION**

**Prepared for:** Puresource Inc.

**Telephone number:** (519) 837-2140

**Preparation date:** November 21, 2008

References:

1. ACGIH, Threshold Limit Values and Biological Exposure Indices for 2001.
2. International Agency for Research on Cancer Monographs, Supplement 7, 1988.
3. Canadian Centre for Occupational Health and Safety. CHEMINFO database.
4. Material Safety Data Sheets from raw materials suppliers.
5. N. Irving Sax. Dangerous Properties of Industrial Materials, Seventh Edition.

n/ap Not applicable

n/av Not available